



COMPOSTING FACILITY

Checklist for Review of Solid Waste Permit Application per WAC 173-350-220

Name of Applicant:	Name of Facility:			
Permit # assigned by Health Department:	Date Received:			
Lead Agency Reviewer Name: Phone: Signature:	Determination of Compliance with: The Site or Facility: <input type="checkbox"/> meets all solid waste, air and other applicable laws and regulations <input type="checkbox"/> conforms with the approved comprehensive solid waste handling plan <input type="checkbox"/> complies with zoning requirements (JHD only)			
<input type="checkbox"/> Location requirements WAC 173-350-220(2)	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
There are no specific location standards for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Design Standards WAC 173-350-220(3)	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
Scale drawings of the facility including the location and size of feedstock and finished product storage areas, compost processing areas, fixed equipment, buildings, leachate collection devices, access roads and other appurtenant facilities provided.				
Design specifications for compost pads, storm water run-on prevention system, and leachate collection and conveyance systems provided.				
Public access roads designed to prevent traffic congestion, traffic hazards, dust and noise pollution (3)(a)		<input type="checkbox"/>	<input type="checkbox"/>	
Storm water run-on prevention systems designed to divert storm water from areas of feedstock preparation, active composting and curing per (3)(b)		<input type="checkbox"/>	<input type="checkbox"/>	
Leachate holding ponds and tanks meet the requirements of (3)(c) including:		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> • Leachate conveyed to leachate holding pond, tank or other containment structure. 		<input type="checkbox"/>	<input type="checkbox"/>	

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<ul style="list-style-type: none"> Leachate holding structure adequate capacity to collect the amount of leachate generated 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Volume calculations based on facility design, monthly water balance and precipitation data 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> For registered dairies, design and installation meet Natural Resources Conservation Service standards in place at the time of construction of the pond. NA <input type="checkbox"/> 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Leachate holding ponds other than registered dairies: 				
Liner consists of a minimum 30-mil thickness geomembrane overlying a structurally stable foundation to support the liners and the contents of the impoundment, or a high density polyethylene geomembranes at least 60-mil thick to allow for proper welding or an alternative design approved by the JHD during the permitting process		<input type="checkbox"/>	<input type="checkbox"/>	
Dikes and slopes designed to maintain their structural integrity under conditions of a leaking liner and capable of withstanding erosion from wave action, overfilling, or precipitation		<input type="checkbox"/>	<input type="checkbox"/>	
Freeboard equal to or greater than eighteen inches to avoid overtopping from wave action, overfilling, or precipitation, or other engineering controls approved by JHD during the permitting process		<input type="checkbox"/>	<input type="checkbox"/>	
Review and approval by Dam Safety Section of the department for ponds designed to impound more than 10 acre feet NA <input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Tanks used to store leachate meet design standards in WAC 173-350-330 (3)(b) NA <input type="checkbox"/> 		<input type="checkbox"/>	<input type="checkbox"/>	
Facility designed with process parameters and management procedures that promote aerobic composting taking into account porosity, nutrient balance, pile oxygen, pile moisture, pile temperature, and retention time of composting (3)(d)		<input type="checkbox"/>	<input type="checkbox"/>	
Compost pads for incoming feedstocks, active composting and curing meet the requirements of (3)(e) including:		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Pad curbed or graded in a manner to prevent ponding, run-on and runoff, and direct all leachate to collection devices. Design calculations based upon the volume of water resulting from a twenty-five-year storm event as defined in WAC 173-350-100 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Pad constructed over soils that are competent to support the weight of the pad and the proposed composting materials 		<input type="checkbox"/>	<input type="checkbox"/>	

<ul style="list-style-type: none"> Entire surface area of the compost pad designed to maintain its integrity under any machinery used for composting activities at the facility 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Pad constructed of materials such as concrete (with sealed joints), asphaltic concrete, or soil cement to prevent subsurface soil and ground water contamination 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> JHD approved other materials for compost pad construction NA <input type="checkbox"/> 		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Plan of operations WAC 173-350-220(4)(e)	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
List of feedstocks to be composted, including a general description of the source of feedstocks (4)(e)(i)		<input type="checkbox"/>	<input type="checkbox"/>	
A description of how wastes are to be handled on-site during the facility's active life including: (4)(e)(ii)		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Acceptance criteria that will be applied to the feedstocks 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Procedures for ensuring that only the waste described will be accepted 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Procedures for handling unacceptable wastes 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Mass balance calculations for feedstocks and amendments to determine an acceptable mix of materials for efficient decomposition 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Material flow plan describing general procedures to manage all materials on-site from incoming feedstock to finished product 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> A description of equipment, including equipment to add water to compost as necessary 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Process monitoring plan, including temperature, moisture, and porosity 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Pathogen reduction plan for facilities that accept Type 2, Type 3, and Type 4 feedstocks 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Sampling and analysis plan for the final product 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Odor management plan (air quality control plan) 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Leachate management plan, including monthly water balance 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> Storm water management plan 		<input type="checkbox"/>	<input type="checkbox"/>	
A description of how equipment, structures and other systems are to be inspected and maintained, including the frequency of inspections and inspection logs (4)(e)(iii)		<input type="checkbox"/>	<input type="checkbox"/>	

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A neighbor relations plan describing how the owner or operator will manage complaints (4)(e)(iv)		<input type="checkbox"/>	<input type="checkbox"/>	
Safety, fire and emergency plans (4)(e)(v)		<input type="checkbox"/>	<input type="checkbox"/>	
Forms for recordkeeping of daily weights or volumes of incoming feedstocks by type and finished compost product, and process monitoring results (4)(e)(vi)		<input type="checkbox"/>	<input type="checkbox"/>	
Other details to demonstrate that the facility will be operated in accordance with subsection (4) and as required by the JHD		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Ground Water Monitoring Requirements <i>WAC 173-350-220(5)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
There are no specific ground water monitoring requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5)		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Closure plan <i>WAC 173-350-220(6)(b)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
Methods of removing raw or partially composted feedstocks		<input type="checkbox"/>	<input type="checkbox"/>	
Steps taken for decontamination		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Financial Assurance Requirements <i>WAC 173-350-220(7)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
There are no specific financial assurance requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5)		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				